

Docket No. 2000-20R1RCE
PATENT

Control systems, such as those disclosed in the patents and patent applications referred to above, as well as U.S. Patent Application No. ~~09/941,170~~08/941,170, filed September 30, 1997, now issued as U.S. Patent No. 6,468,806; U.S. Patent Application No. 09/156,827, filed September 18, 1998; U.S. Patent Application No. 08/841,423, filed April 22, 1997, now issued as U.S. Patent No. 6,045,671; and U.S. Patent Application No. 09/237,502, filed January 26, 1999, now issued as U.S. Patent No. 6,364,956, each of which is incorporated by reference herein, research engine 230 prepares a library of materials specified by the experimental matrix defined in the experiment design. Optionally, the process can be fully automated, with research engine 230 retrieving the specified starting materials from inventory 255 using inventory subsystem 210; alternatively, laboratory personnel can retrieve the appropriate starting materials from inventory 255 for use by research engine 230 and automated synthesis instruments 265. Research engine 230 applies the specified process conditions and screens the set of experiments, using high throughput screening techniques and instruments 265 such as those disclosed in the patents and patent applications referred to and incorporated by reference above. By using high throughput technologies to prepare and screen the libraries, research engine 230 can provide experimental results in significantly less time than conventional research methods.--

REMARKS

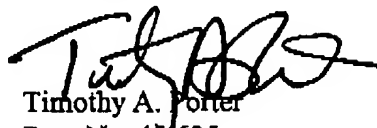
The applicant respectfully requests that these amendments to the specification be entered prior to issue.

The amendments at pages 17, 18, 19 and 20 are necessary to insert the current status of the U.S. applications referenced in the specification.

The applicant believes that no further fees are required with respect to this amendment. If necessary, however, the Examiner is authorized to charge any required fees to Deposit Account No. 50-0496.

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Respectfully submitted,



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